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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		<b>Attorney Docket No.</b> <b>BB-1137</b> <b>First Named Inventor or Application Identifier</b> <b>Jennie Bih-Jien Shen</b> <b>Express Mail Label No.</b> <b>EJ236615973US</b> <b>Express Mailing Date</b> <b>June 7, 1999</b>
<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i>		<b>ADDRESS TO:</b> <b>Assistant Commissioner for Patents Box Patent Application Washington, DC 20231</b>
<p>1. <input checked="" type="checkbox"/> Fee (Authority to charge deposit account below.)  <i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Specification [Total Pages <b>61</b>]  <i>(preferred arrangement set forth below)</i></p> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross References to Related Applications <i>(if needed)</i></li> <li>- Statement Regarding Fed sponsored R &amp; D <i>(if needed)</i></li> <li>- Reference to Microfiche Appendix <i>(if filed)</i></li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings <i>(if filed)</i></li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> <p><input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <b>15</b>]</p> <p><input checked="" type="checkbox"/> Oath or Declaration [Total Pages <b>1</b>]</p> <p>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))  <i>(for continuation/divisional with Box 14 completed)</i></p> <p>i. <input type="checkbox"/> <b>DELETION OF INVENTORS</b>          Signed Statement below at 15 deleting          inventor(s) named in the prior application,          see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p><input type="checkbox"/> Incorporation by Reference <i>(useable if Box 4b is checked)</i>          The entire disclosure of the prior application, from which a          copy of the oath or declaration is supplied under Box 4b, is          considered as being part of the disclosure of the          accompanying application and is hereby incorporated by          reference therein.</p>		<p>6. <input type="checkbox"/> Microfiche Computer Program (Appendix)</p> <p>7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission  <i>(if applicable, all necessary)</i></p> <p>a. <input checked="" type="checkbox"/> Computer Readable Copy</p> <p>b. <input checked="" type="checkbox"/> Paper Copy (identical to computer copy)</p> <p>c. <input checked="" type="checkbox"/> Statement verifying identity of above copies</p>
<b>ACCOMPANYING APPLICATION PARTS</b>		
<p>8. <input type="checkbox"/> Power of Attorney</p> <p>9. <input type="checkbox"/> Information Disclosure Statement (IDS)/Cover Letter plus PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>10. <input type="checkbox"/> Preliminary Amendment</p> <p>11. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)  <i>(Should be specifically itemized)</i></p> <p>12. <input type="checkbox"/> Certified Copy of Priority Document(s)  <i>(if foreign priority is claimed)</i></p> <p>13. <input checked="" type="checkbox"/> Other: Gene Sequence Listing - 28-pages</p>		
<p>14. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:</p> <p><input type="checkbox"/> Continuation   <input type="checkbox"/> Divisional   <input type="checkbox"/> Continuation-in-part (CIP)   of prior Application No. <b>_____</b></p> <p>15. <input type="checkbox"/> <b>DELETION OF INVENTOR(S) STATEMENT:</b> This application is being filed by less than all the inventors named in the prior application. In accordance with 37 CFR 1.63(d)(2) and 1.33(b), the Assistant Commissioner is requested to delete the name(s) of the following person or persons who are not inventors of the invention being claimed in this application:</p> <p>16. <input checked="" type="checkbox"/> Amend the specification by inserting before the first line the sentence:          -- This application claims priority benefit of U.S. Provisional Application No. 60/088,987 filed June 11, 1998, now pending. --</p> <p>17. <input type="checkbox"/> Cancel in this application original claims <b>_____</b> of the prior application before calculating the filing. (At least one original independent claim must be retained for filing purposes.)</p> <p>18. <input type="checkbox"/> Priority of foreign Application No. <b>_____</b> filed on <b>_____</b> in <b>_____</b>          (country) is claimed under 35 U.S.C. 119.</p>		

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) FEE	(5) CALCULATIONS
	<b>TOTAL CLAIMS</b> (37 CFR 1.16(c))	<b>191 - 20 =</b>	<b>171</b>	<b>x \$ 18 =</b>	<b>\$ 3078.00</b>
	<b>INDEPENDENT CLAIMS</b> (37 CFR 1.16(b))	<b>3 - 3 =</b>	<b>0</b>	<b>x \$ 78 =</b>	<b>0</b>
	<b>MULTIPLE DEPENDENT CLAIM(S) (if applicable)</b>			<b>+ \$ 260 =</b>	<b>260.00</b>
				<b>BASIC FEE</b> (37 CFR 1.16(a))	<b>+ \$ 760.00</b>
				<b>TOTAL =</b>	<b>\$ 4098.00</b>

19. The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. 04-1928:

a.  Fees required under 37 CFR 1.16.

b.  Fees required under 37 CFR 1.17.

20.  Other:

**21. CORRESPONDENCE ADDRESS**

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**22. SIGNATURE OF ATTORNEY OR AGENT REQUIRED**

NAME	Lynne M. Christenbury	REG. NO.: 30,971
SIGNATURE	<i>Lynne M. Christenbury</i>	
DATE	June 7, 1999	